

Class – VII

Lesson Plan (2023-24)

Topic: Integer

KPI 5 of grade VI: Enhancing application skills especially while applying sign rules.

Brief Description of the lesson: In this chapter students will be taught about properties of integers, multiplication and division of Integers along with addition and subtraction of integers.

Objectives:

I - Specific Objectives

To enable the students to:

- S1 understand the Concept and examples of Integers. **K**
- S2 Represent integers on number line. **U**
- S3 Find additive inverse of an integer. **U**
- S4 Apply DMAS rule for integers. **A**
- S5 Perform addition and subtraction of integers on the basis of sign rule. **A(Executing)**
- S6 Execute properties of integers. **A** S7 Apply concept of integers in word problems. **A**
- S8 Solve application-based questions based on addition and subtraction of integers. **A**

II - Behavioral Objectives

To enable the students to:

- B1 Use of integers such as in banks (credit and debit) **An**
- B2 Measuring temperatures **A**
- B3 Marking scheme (when there is minus marking) **A**

Process / Activities

Class will be started with recapitulation of types of numbers and the need of positive and negative numbers. Concept of Positive and Negative numbers will be given and will define Integers as group of positive and negative number along with zero. Signing rules, addition and subtraction of Integers will be explained. Properties of integers will be explained.

Activity (to introduce the lesson): - Making sign rule chart.

Students will be asked to make signing rule chart with examples followed by explanation.

Ex. $-23+74 = 51$ (**Different Sign Difference**)

$-34 -66 = -100$ (**Same sign sum**)

On the basis of students' performance in the class test, practice sheet and assignment assessment will be done.

Expected Learning Outcomes: Students would be able to:

- Understand the Concept and examples of Integers. **K(Recalling)**
- Represent integers on number line. **U (Inferring)**
- Find additive inverse of an integer. **U(Interpreting)**
- Apply DMAS rule for integers. **A (Implementing)**
- Perform addition and subtraction of integers on the basis of sign rule. **A(Executing) KPI 5**
- Perform multiplication and division of integers on the basis of sign rule. **A(Executing)**

